

MODULAR-TYPE HOME GATEWAY SYSTEM INCLUDING ADSL CONTROLLER AND
HOMEPNA CONTROLLER

ABSTRACT OF THE DISCLOSURE

A modular-type home gateway system constitutes a high-speed home network using a conventional home telephone line by using 10Mbps HomePNA controller, interfaces with a high-speed access network using a conventional outdoor telephone line by using 8Mbps ADSL controller, provides a bridge function between the access network and the home network, is applicable to a remote automatic control system using a cellular phone (or a portable terminal) for a homeowner or a subscriber, and also applicable to a household remote control system for providing the homeowner with a home security service. The modular-type home gateway system includes: a HomePNA (Home Phoneline Network Alliance) controller connected to a prior home telephone line, for providing a home network interface; an ADSL (Asymmetric Digital Subscriber Line) controller connected to a prior outdoor telephone line, for providing an access network interface; and a system controller for controlling the HomePNA controller and the ADSL controller, wherein the HomePNA controller and the ADSL controller are modular type controllers detachably connected to the system controller through a predetermined interface, and provides a bridge function between a home network and an access network. Accordingly, the modular-type home gateway system provides a plurality of information terminals connected to the home network with various data sharing functions (*e.g.*, Internet service sharing function, a peripheral device sharing function, file/and application program sharing function, and an entertainment service sharing function like a network game) for not only a narrow-band service data but also a wide-band service data.

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